EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Mr. Michael E. Cox (Reg. No. 47,505) on May 8, 2009.

2.   The application has been amended as follows:

Claim 4 (Currently Amended) A method for identifying a target component in an

apparatus that has components related in hierarchy, the method comprising:

representing the components by corresponding objects <u>by a first application in a first</u>

<u>computer</u>, thereby relating objects in both a <u>t</u>ype hierarchy identifying types of components and a

separate object hierarchy identifying information associated with objects, wherein the type

hierarchy and the object hierarchy identify the components in a first natural language;

deriving a message<u>, by a first message generator in the first computer,</u> from information

for both the type hierarchy and the object hierarchy, the message with a type chain identifying a

path in the type hierarchy in a parent-child direction and an object chain identifying a path in the

object hierarchy in the parent-child direction, wherein the type chain identifies a type node

associated with a target object and the object chain identifies an object node associated with the

target object, wherein a combination of the type node and the object node identifies the target

object that corresponds to the target component, and wherein a combination of ascendants of the

type node and ascendants of the object node correspond to parent components; ~~and~~

    providing the message to a second computer; and

    parsing the message, by a message interpreter in the second computer, to provide

identification of the target component with the combination of the type node and object node as

well as to provide identification of the parent components with the combination of ascendants of

the type node and ascendants of the object node, wherein the identification further includes

translating information from the first natural language to a different natural language using both

type and object information.

    In claim 6, at line 12, after "the object hierarchy", insert -- and to provide the message to

a second computer --.

    In claim 6, at line 20, replace "a" with – the --.

    In claim 7, at line 7, after "the object hierarchy", insert – by the first run-time

environment --.

3.   The following is an examiner's statement of reasons for allowance:

    As to claims 1-8, the prior art of record does not teach or render obvious the limitations

recited in claims 1, 4, 6 and 7, when taken in the context of the claims as a whole, specific to a

first application in a first computer relates objects representing components in an apparatus in

both a type hierarchy identifying types of components, and a separate object hierarchy

identifying information associated with objects, wherein the type hierarchy and the object

hierarchy identify the components in a first natural language, a message generator in the first

computer generates a message based on the type hierarchy and the object hierarchy and provides

the message to a second computer, the message comprising a type chain identifying a path in the

type hierarchy and an object chain identifying a path in the object hierarchy, wherein the type

chain identifies a type node associated with the target object, and the object chain identifies an

object node associated with target object that corresponds to the target component, the second

computer receives the message and parse the message by a message interpreter, and provide

identification of the target component with the combination of the type node and the object node,

wherein the identification provided by the message interpreter also includes translate information

from the first natural language to a different natural language using both the chains.

Moreover, evidence for modifying the prior art teachings by one of ordinary skill level in

the art was not uncovered so as to result in the invention as recited in claims 1, 4, 6 and 7.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DIEM K. CAO whose telephone number is (571)272-3760. The

examiner can normally be reached on Monday - Friday, 7:30AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Diem Ky Cao/
Primary Examiner

DC
May 8, 2009